SBI3U Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Importance of Technology in Understanding Human Internal Systems**

In this assignment, you will research how one technique/technology has enhanced our ability to either diagnose or treat disorders.

You will complete a 1-page summary of the following information:

* Describe the technology/technique /4
* Describe two uses of this technology/technique in the field of medicine /4
* Describe two social/medical benefits /4
* Describe two social/medical risks /4
* Discuss one limitation of this technology/technique /1
* Include one image that relates to any of the above information. /1

The information must be concise and accurate. You must use at least 2 sources of information (including the course textbook) and include a reference list in APA format. Do not forget to clearly indicate the source of your image.

**TOTAL MARK (APPLICATION): /18**

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**Choose from the following list of technologies (or consult your teacher with new ideas):**

|  |  |  |
| --- | --- | --- |
| Endoscopy | Laser | Magnetic resonance imaging (MRI) |
| Computerized tomography (CT) scan | Nuclear Magnetic Resonance (NMR) | Nanotechnology |
| FLAP Inhibitors | Bronchial Thermoplasty | Artificial Lungs |
| Cardiac Catheterization | Positron emission tomography (PET) scan | Doppler ultrasound |
| Pacemaker | Automated external defibrillators (AED) | Stomach stapling |
| Gastric banding | Angiography | Robotic Surgery (Medical robotics) |

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